

Approximate measurements of representative La Brea specimens
(in natural standing position)

Species	Height		Length			Remarks
	Shoulder	Top of Head	Body	Head + Neck	Overall	
Elephant	13'-6"	14'-0"	13'-6"	4'-6"	18'-0"	Length incl. Tusks 23'-6"
Mastodon	7'-0"	7'-0"	8'-0"	3'-0"	11'-0"	Length incl. Tusks 14'-0"
Camel	7'-0"	8'-3"	6'-0"	4'-0"	10'-0"	
Bison	6'-6"	5'-8"	6'-6"	3'-0"	9'-6"	Horn spread, 3'-6"
Horse	4'-9"	5'-3"	5'-0"	2'-6"	7'-6"	
Antelope	1'-8"	2'-0"	1'-8"	0'-8"	2'-4"	
Sloth (Mylodon)	—	7'-6" sitting	—	—	—	Body depth, anteroposterior, 4'-0"
" (Nothrotherium)	3'-4"	2'-7"	3'-8"	1'-6"	5'-2"	Length plus tail, 7'-5"
Lion	3'-4"	3'-11"	4'-3"	1'-11"	6'-2"	
Saber-tooth	2'-10"	3'-0"	3'-9"	1'-8"	5'-5"	
Bear	5'-9"	5'-6"	7'-0"	2'-10"	9'-10"	
Wolf	2'-6"	3'-2"	3'-0"	1'-4"	4'-4"	
Coyote	1'-9"	2'-0"	2'-0"	0'-11"	2'-11"	

Saber tooth Cat Skull & jaws

Lower jaw # 2002 R & L - 137

from Pit 4, B-5, 10ft

Skull # 102 from Pit 3, E 4, 10ft

Saber tooth Cat "Saber"

2000 - L 47

from Pits 61-67

to University

Indy.

Union Oil Co. Museum at Sta. Paula
Santa Paula, Calif.

P.O. Box 670

21211 Dinosaur exchange with Carnegie Inst.

25 boxes of Dinosaur bones shipped
from Carnegie Nov. 1939 on

Shipping memo no. 39-659

Collected in ^{Sally} 1935 by Avinoff and Kay
Field no. 40. Originally 31 boxes

Shipped in freight car (one carload)

A little of the material had been
worked out. Said to be (by Avinoff & Kay
notes 7.9.35)

"nearly complete, fair-sized, one of

the best specimens taken from the
quarry" (Utah)

O O E R

Vertebrae & caudal region was
prepared here by W P A^(youth) helps
under Henry Wyld. Sacrum
preparation was begun but then
W P A project was stopped.

Supposed Belemnite

with form of soft parts preserved

Information from Howard Hill

A 5890 - James G. Tatlock

Sept 14, 1948

From south side of Shell Valley

Bighorn Basin, near Shell, Wyo.

Elevation 5280' near Red Bed
formation

Henry Compagnon
120 So. Spring St.
Rm 406 Highways Bldg;
Los Angeles, Calif.

Fossil fish from
freeway excav.

Throw out all molds
of Notluotherium except
for skull

~~1 fork~~
~~Apr. 12 - 50~~

Kiwi from Ward's
purchased with money
given Associates by
Mrs Fred H. Bixby

2/16/50 \$75.00

A1534
Aelurodon 1003 Ricard
6

Osteoborus nicardensis



Dear Sir

The jaw bone and
tooth left here by
E. J. Nadeau to be
identified havent been
returned

Would you be so kind
as to locate them
and return

Thank you
E. J. NADEAU
1649 IRVING AVE
GLENDALE 1 CALIF

Prosaurolophus paulingi
Storch

up. Cret. Moreno form.

Turney Hills

Eastern San Benito Co.

Calif.
Type 2582 CIT

Trus

PSA Spec. paper #40

Full weight

Radioactive dinosaurs

3 Svirian? teeth Sta Cruz Mts (sand)
Eleanor Paves 15th St
Watsonville
11/24/50
(Graham sand pits)

Celacanth? jaw Shark tooth Hill
Edward Nadeau
1651 West Glen Oaks Blvd,
Glendale (found Feb. 1950)
Brought to Museum
Jan. 1951

To Vander Noof
3/23/51

FOSSIL FISHES of SO. CALIF.

(From David)

All more or less complete skeletons are of Upper Miocene Age (Modelo*)

Santa Monica Mts. -- Lower Modelo -- subtropical climate, open sea
land plants and sea weeds indicate near land.

ORDER Isospondyli

- Family Clupeidae -- Ganolytes (4) (shad?)
- Dussumieridae -- Etringus (55) (round-herring)
- Bathylagidae -- Quaesita (8)
- Sternoptychidae -- Argyropelecus (11)

ORDER INIOMI

- Family Myctophidae -- Lampanyctus (3) lantern fish tiny with big head

ORDER HETEROMI

- Family Halosauridae -- Laytonia (1) (eel shaped)

ORDER SYNENTOGNATHI

- Family Scomberesocidae -- Scomberesox (3)

ORDER ANACANTHINI

- Family Gadidae -- Eclipes (3) (codfish)

ORDER Berycomorphi

- Family Caristiidae -- Absalomichthys (1) very high dorsal whole length of body
- Chalcidichthys (2)

ORDER Percomorphi

- Family Sparidae -- Plectrites (2)
- Sciaenidae -- Lompoquia (2) (silver perch)
- Scombridae -- Scomber (7) (mackerel)
- Thunnidae -- Sarda (2) (bonito)
- Gempylidae -- Thyrsocles (2) (escolar)
- Carangidae -- Decapterus (1) (mackerel scad)
- Pomatomidae -- Pseudoseriola (1) (bluefish)
- Zaproridae -- Araeosteus (2)

ORDER Scleroparei

- Family Scorpaenidae -- Sebastodes (3) (rockfish)
- Scorpaenina (2)

Santa Monica Mts. -- Upper Modelo (diatomaceous shall, white and punky)
+ hard siliceous shale) Plants occur too

ORDER Isospondyli

- Family Clupeidae -- Xyne grex (37) Herring and Ganolytes (1) (silic. shale)
- Dussumieridae -- Etringus scintillans (2) (silic. shale)
- Bathylagidae -- Quaesita angelensis (20) - (also in silic. shale)
- Gonostomatidae -- Cyclothone (14) (silic. shale)
- Sternoptychidae -- Argyropelecus (1) (")
- Chauliodontidae -- Chauliodus (2) (+ 2 in silic. shale)

ORDER Iniomi

- Family Myctophidae -- Lampanyctus petrolifer and bolini (177) lantern fish + myctophum in silic. shale

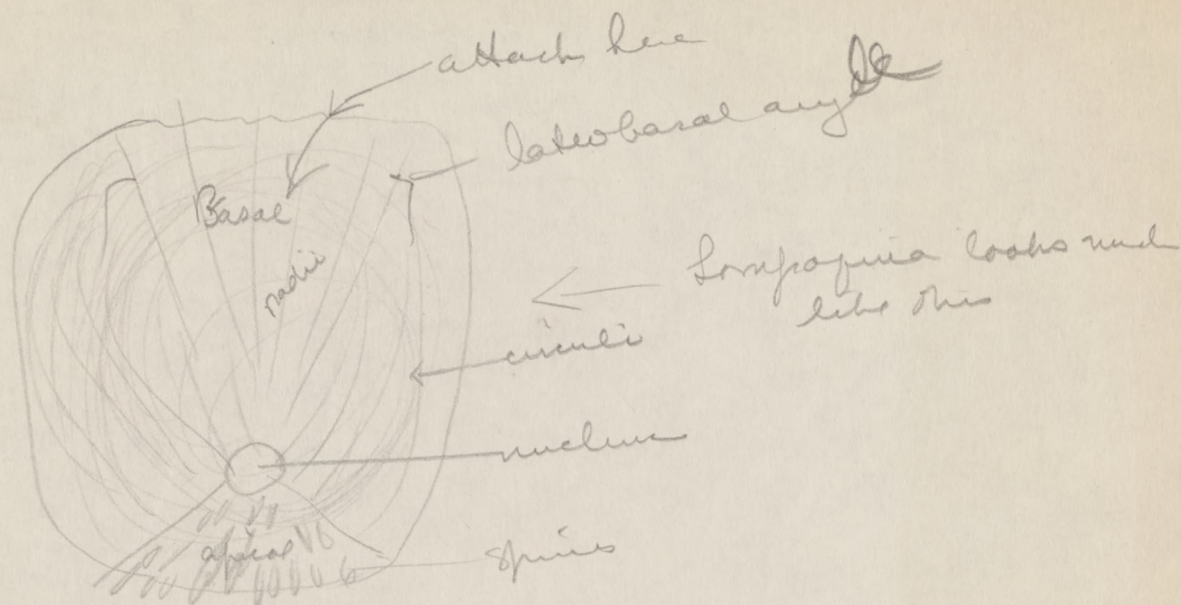
ORDER Solenichthys

- Family Syngnathidae -- Syngnathus avus (11)

ORDER Anacanthini
Family Gadidae -- Eclipes (1) (Silic. shale)
ORDER Percomorphi
Family Scombridae -- Scomber (10) macheral
Carangidae -- Decapterus (2) machereloid
Sciaenidae -- Lompoquia? (1) (Silic. shale)
Zaproridae -- Araeosteus (1) (Silic. shale)
ORDER Scleroparei
Family Scorpainidae -- Scorpaena (1) (sculpin)

Palos Verdes Hills -- $\frac{1}{2}$ mile west of Whites Point -- silty siliceous shale, easy to split. Bay and sandy shore.
late middle Miocene or early Upper Miocene.

ORDER Euselachii
Family Dasybatidae -- Pteroplatea lapolisutosa (butterfly ray) (1)
ORDER Isospondyli
Family Clupeidae -- Opisthonema palosverdensis (thread herring) (1)
ORDER Solenichthyes
Family Syngnathidae -- Syngnathus sp. (4) (pipefish)
ORDER Anacanthini
Family Gadidae -- Eclipes extensus (cf) (1)
ORDER Percomorphi
Family Thunnidae -- Alciola sp. (6 plus)
(Furus)



* Clupeids have also lateral radii -

" (herrings) in large schools in shallow water (distinct basal lateral angles)
 Other shallow water forms: Coastal

Atherinidae - silver, sides
Syngnathus - pipe fish
Carangidae - jack
Gobiidae - goby
Rattails

Deep water shown by Macrouridae
 also Polymixidae

Chaetodontidae

Halosauridae

Monacidae

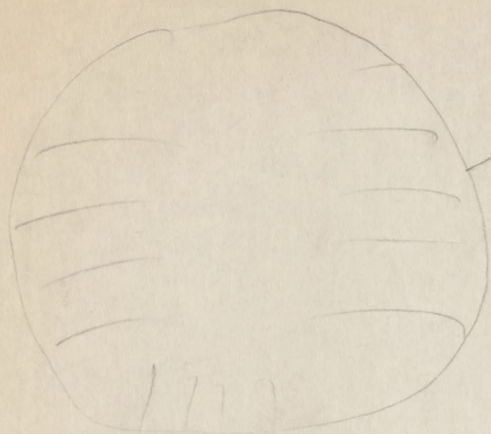
Thunnidae

~~Gadidae~~

Some Salmonidae - concentric circuli & long radii - ~~basal folds~~ no marked radii
 quadriangular to some

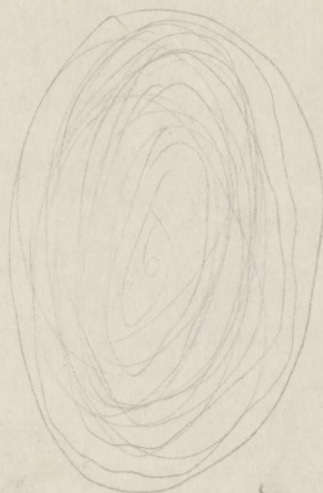
Scombrotoctidae - transverse circuli (not radii)

Polymixidae - basal folds (radii) do not reach nucleus, apices pointing singly row of
 flat across basal part - rounded at apices

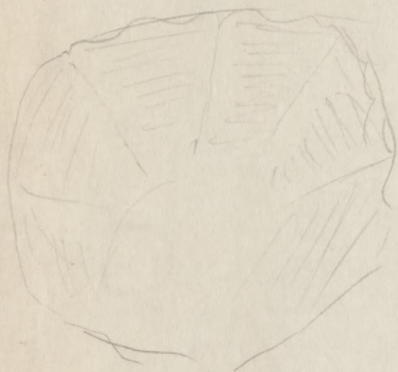


few ribs Clupeoides
more " Dussumeriidae - Etmopterus

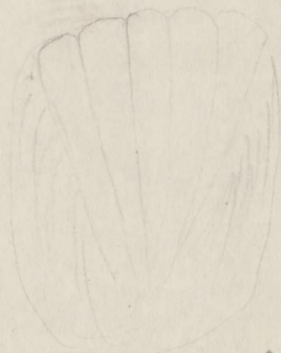
Herring type of scale
Clupeoid



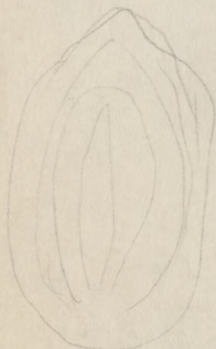
Salmonoides



Order Berycomorphi



Halosauridae - Liptoria



Carangidae (yellowtail)



Atherinidae (silveride)